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## For Immediate Release

### Vishay Siliconix TrenchFET Gen IV N-Channel MOSFETs

**May 01, 2012** - [Mouser Electronics, Inc.](http://www.mouser.com), regarded as a top design engineering resource and global distributor for semiconductors and electronic components, today announced it is stocking new product from Vishay Siliconix.

**Vishay Siliconix TrenchFET® Gen IV N-Channel MOSFETs** are Vishay's next-generation TrenchFET® family of 30 V N-Channel power MOSFETs. These new devices utilize a new high-density design and the SiRA00DP, SiRA02DP, SiRA04DP, and SiSA04DN offer industry-low on-resistance down to 1.35mΩ at 4.5 V and low total gate charge in the PowerPAK® SO-8 and 1212-8 packages. Features include extremely low  $R_{DS(on)}$ , which translates to lower conduction losses for reduced power consumption, very low  $Q_{dg}/Q_{gs}$  ratio of 0.5 or less, space saving PowerPAK® 1212-8 packages with similar efficiency with a third of it's size. Typical applications include high power DC/DC converters, synchronous rectification, synchronous buck converters and OR-ing.

To learn more, visit <http://www.mouser.com/vishaytrenchFETGenIV>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 19 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 8.7 million products to locate over 2.8 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

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### **About Mouser**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 2.8 million products online from more than 450 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 375,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

### **About Vishay Siliconix**

Vishay / Siliconix power MOSFET transistors and integrated circuits (ICs) are used to manage and convert power in computers, cell phones, and the communications infrastructure, as well as to control motion in computer disk drives and automotive systems. Vishay / Siliconix analog switching ICs are used to sense, switch, and route analog signals in instrumentation and a wide array of industrial products.

[Also See Vishay Semiconductors](#)

For more information, visit <http://www.vishay.com/company/brands/siliconix/>.

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